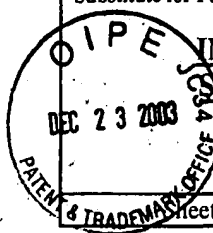


Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)



Sheet

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of

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Complete if Known

Application Number	10/662,397
Confirmation Number	Unknown
Filing Date	September 16, 2003
First Named Inventor	USUI, Minoru
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	Q77369

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
AS		JP	60-4820	A	1/11/1985		Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature

Date Considered

05/14/04

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Substitute for Form 1449 A & B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	Unknown	
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			Filing Date	September 16, 2003	
			First Named Inventor	USUI, Minoru	
			Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	1	of	5	Attorney Docket Number	Q77369

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Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
ds		US 2002/0015068	A1	2-7-2002	Tsukada et al.
ds		US 2002/0135623	A1	9-26-2002	Tsukada et al.
ds		US 5,689,288		11-18-1997	Wimmer et al.
ds		US 5,774,136		6-30-1998	Barbehenn et al.
ds		4,811,595		3-1989	Marciniak et al.
ds		5,975,102		11-2-1999	Schalk et al.
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ds		3,110,890		11-12-1963	V.C. Werstcott et al.
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ds		4,594,891		6-17-1986	Benz et al.
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ds		5,616,929		4-1-1997	Hara
ds		US 4,770,038		9-13-1988	Zuckerwar et al.
ds		US 5,586,085		12-17-1996	Lichte
ds		US 6,312,074		11-2001	Ray A. Walker
ds		US 6,164,744		12-2000	Froger et al.
ds		US 5,353,631		10-1994	Woringer et al.

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
ds		EP	684,136	A2	11-29-1995		
		FR	2,572,519	A1	5-2-1986		
		WO	98/09139	A1	3-5-1998		
		JP	58-205820	A	11-30-1983		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Patent Abstracts of Japan for publication No. 02-034353, Vol-014, 186 (M-0962), February 5, 1990, Cannon Inc.	
		Patent Abstracts of Japan for publication No. 07-081290, Vol. 1995, No. 06 March 28, 19956 Pentel KK	

Examiner Signature: <i>Andrew K. Jackson</i>	Date Considered: <i>05/14/04</i>
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Strike throughs are not filed with the application

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				Confirmation Number	Unknown
				Filing Date	September 16, 2003
				First Named Inventor	Minoru USUI
				Art Unit	Unknown
Examiner Name	Unknown				
Sheet	2	of	5	Attorney Docket Number	Q77369

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
<i>AS</i>		US 6,470,744	B1	10-29-2002	USUI, et al.
<i>AS</i>		US 2002/0012015	A1	01-31-2002	TSUKADA, et al.
<i>AS</i>		US 2002/0015084	A1	02-07-2002	TSUKADA, et al.
<i>AS</i>		US 2002/0170353	A1	11-21-2002	USUI, et al.
<i>AS</i>		US 6,536,861	B1	3-25-2003	USUI et al.
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AS		JP	10-305590		11-17-1998		
AS		EP	1,088,668	A1	4-4-2001		
AS		EP	853,236	A1	7-15-1998		
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
<i>AS</i>		English language abstract No. Hei 10-305590 November 17, 1998	
		Patent Abstracts of Japan, Vol. 1998, No. 5, April 30, 1998	
		Patent Abstracts of Japan, Vol. 1995, No. 8, September 29, 1995	
		Patent Abstracts of Japan, Vol. 2000, NO. 14, March 5, 2001	

Examiner Signature	<i>Dodder K. Jackson</i>	Date Considered	<i>05/14/04</i>
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				Art Unit	Unknown
Examiner Name	Unknown				
Attorney Docket Number	Q77369				
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		Number	Kind Code ² (if known)		
[initials]		US 4,811,595		3/14/1989	Marciniak et al.
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[initials]		US 5,353,631		10/11/1994	Woringer et al.
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[initials]		US 5,774,136		6/30/1998	Barbehenn et al.
[initials]		US 5,712,667		1/27/1998	Sato
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[initials]		US 6,007,190		12/28/1999	Murray et al.
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[initials]		US 5,788,819		8/4/1998	Onishi et al.
[initials]		US 5,975,102		11/2/1999	Schalk
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[initials]		US 4,419,677		12/6/1983	Kasugayama et al.
[initials]		US 4,796,782		1/10/1989	Wales et al.

Examiner Signature	<i>Andre R. Jackson</i>	Date Considered	<i>05/14/04</i>
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				Application Number	Unknown
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				First Named Inventor	Minoru USUI, et al.
				Art Unit	Unknown
Examiner Name	Unknown				
Sheet	4	of	5	Attorney Docket Number	Q77369

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
[Handwritten Initials]		WO ✓	98/31548		7/23/1998	Hewlett-Packard Company	
		JP ✓	63247047		10/13/1988	Canon Inc.	Abstract
		GB ✓	2 304 898		3/26/1997	The Whitaker Corporation	
		WO ✓	98/09139		3/5/1998	The General Electric Company	
		EP ✓	0 873 873		10/28/1998	Hewlett-Packard Company	
		JP ✓	06297726		10/25/1994	Canon Inc.	Abstract
		JP ✓	6295225		5/1/1987	Canon Inc.	Abstract
		EP ✓	0 676 624		10/11/1995	Simmonds Precision Products Inc.	
		EP ✓	0 803 364		10/29/1997	Canon Inc.	
		EP ✓	1 088 668		4/4/2001	Hewlett-Packard Company	
		JP ✓	10026549		1/27/1998	Nohken	Abstract
		JP ✓	07137276		5/30/1995	Canon Inc.	Abstract
		EP ✓	0 853 236		7/15/1998	Smiths Industries Public Limited Co.	
		JP ✓	04135862		5/11/1992	Seikosha Co. Ltd.	Abstract
		JP ✓	10-305590		11/17/1998	Matsushita Electric Co., Ltd.	Abstract
		WO ✓	99/42293		8/26/1999	Minnesota Mining & Manufacturing Co.	
		EP ✓	0 660 092		6/28/1995	Canon Inc.	
		EP ✓	0 553 535		8/4/1993	Seiko Epson Corporation	
	JP ✓	2000318183		11/21/2000	Sony Corporation	Abstract	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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[Handwritten Initials]		US 2002/0105555, published 8/8/2002 to Tsukada et al.	

Examiner Signature	[Handwritten Signature: Adri Ki Jackson]	Date Considered	05/14/04
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AJ		US 6,050,669		4/18/2000	Yano et al.
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AJ		US 4,636,814		1/13/1987	Terasawa
AJ		US 5,473,353		12/5/1995	Soucemarianadin et al.

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Examiner Signature	Andre K. Jackson	Date Considered	05/14/04
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